TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. SYP-159

In Re Application Of: **Bienvenut et al**

Serial No.	Filing Date	Examiner	Group Art Unit
Not Yet Assigned	**Not Yet Assigned**	**Not Yet Assigned**	**Not Yet Assigned**

Title: **Method and Kit for Identifying or Characterizing Polypeptides**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

   1. a Final Action under 37 CFR 1.113, or
   2. a Notice of Allowance under 37 CFR 1.311,

   whichever occurs first.

Also submitted herewith is:

☐ a certification as specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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09/889711

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Payment of Fee
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. as described below. A duplicate copy of this sheet is enclosed.
  - ☐ Charge the amount of
  - ☐ Credit any overpayment.
  - ☐ Charge any additional fee required.

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I certify that this document and fee is being deposited on Oct 5, 2001 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Darry Pattinson

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Darry Pattinson

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Andrew T. Karnakis

Signature

Dated: Oct. 5, 2001

Andrew T. Karnakis, Esq.
Reg. No. 27,909

cc:

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.
SYP-159	Not Yet Assigned
Bienvenut et al.,	
FILING	GROUP
Not Yet Assigned	Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,477,562	10/16/1984				
	A2	5,783,380	07/21/1998				
	A3	5,719,060	02/17/1998				
	A4	5,595,636	01/21/1997				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	B1	DE 4408034	07/13/95	Germany				
	B2	2029980		Canada				
	B3	1502670	3/19/78	Great Britain				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	C1	Hirano, H. et al, Microsequence Analysis of Na Blocked Proteins Electroblotted onto an Immobilizing Matrix from Polyacrylamide Gels. Analytical Sciences, vol 7 supplement (1991) 941-944
	C2	Cordoba, O.L. et al, "In Gel" Cleavage with Cyanogen Bromide for Protein Internal Sequencing. Biochem. Biophys. Methods, 35, (1997), 1-10

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	Docket Number (Optional) SYP-159	Application Number Not Yet Assigned
	Applicant(s) Bienvenut	
	Filing Date Not Yet Assigned	Group Art Unit Not Yet Assigned

*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		Fausset, et al, Structural Analysis of Recombinant Proteins Prepared by Semi-Dry Electrobotting After Sodium Dodecyl Sulfate-Polyacrylamide Gels. Electrophoresis Electrophoresis, vol. 1 2 (1991) 22-27
		Chang et al, Improved Coupling of Proteins to the Support for Solid Phase Protein Sequencing. FEBS Letters, vol. 84 (1) (1977) 187-190
	C5	Jeffcoate et al, Use of Benzamidine to Prevent the Destruction of Thyrotropin-Releasing Hormone (TRH) By Blood. J Chlin Endocrinal Metal., vol. 38 (1974) 155-157
	C6	Aebersold et al, Electroblotting onto Activated Glass. J. Biol. Chem., vol. 2 61 (9) (1986), 4229,-4238
	C7	Kussmann et al, Characterisation of the Covalent Structure of Proteins from Biological Material by MALDI Mass Spectrometry - Possibilities and Limitations. Spectroscopy, vol. 14 (1998) 1-27
	C8	Mann et al, Developments in Matrix-Assisted Laser Desorption/Ionization Peptide Mass Spectrometry. Current Opinion in Biotechnology vol.7 (1996) 11-19
	C9	Roepstorff et al, Mass Spectrometry in Protein Studies from Genome to Function. Current Opinion in Biotechnology vol. 8 (1997) 6-13
	C10	Schevchenko et al, Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels. Anal. Chem., vol68 (1996) 850-858
	C11	M.L. Seo et al, Amperometric Enzyme Electrode for the Determination of NH4+, Journal of the Korean Chemical Society 37 (ii) pages 937-939 (1993)
	C12	K.S. Ha et al, Atmospheric Biosensor for Urea, Bulletin of the Korean Chemical Society 18 (11), pages 114-115 (1997)
	C13	T. Morcal et al, Dot-Blot Analysis of the Degree of Covalent..., J. Immunol, Methods 203 (1) 45-53 (1997)
	C14	B. Canas et al, Covalent Attachment of Peptides to Membranes..., Analytical Biochemistry 211, 179-182 (1993)

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*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		C. Viera, Biotechnology Training Program, University of Wisconsin-Madison from http://www.bact.edu/biotech/viera.htm
	C16	J.M. Coull et al., Development of Membrane Supports for the olid-Phase Sequence Analysis of Proteins and Peptides, in Methods in Protein Sequence Analysis, Ed. B. Wittman-Leibold, Springer-Verlag, Berlin (1989), pages 69-78
	C17	J.M. Coull et al., Functionalized Membrane Support for Covalent Protein Microsequence Analysis, Analytical Biochemistry 194, 110-120 (1991)
	C18	MSI Technical Bulletin 633, Transfer of High Molecular Weight proteins from a Non-Denaturing Gel to the MSI PVDF-Plus Membrane (June 19. 1997), from http//www.msifilters.com/tb633.txt
	C19	D.J.C. Pappin et al., New Approaches to Covalent Sequence Analysis in Current Research in Protein Chemistry: Techniques,m Structure and Fluction, Ed J.J. Villa-franca, Acad. Press, San Fransisco and London (1990) pages 191-202
	C20	W. Bienvenut et al., Towards the Automation of Protein Analysis by Mass Spectrometry, Poster P13 and Abstract, Electrophorese Formum '97-Strasbourg (Nov. 25-27, 1997)
	C21	Hasselberger, Uses of Enzymes and Immobilized Enzymes, Welson-Hall, Chicago 1978 pp 23, 24 & 29
	C22	Creighton, T.E. Protein Structure a Practical Approach, MCR Laboratory of Molecular Biology, Cambridge, UK
	C23	M. Schreiner et al., Ultraviolet Matrix Assigned Laser Desorption Ionization-Mass Spectrometry of Electroblotted Poteins Electrophoresis 17, 954-961 (1996)

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